AUTODOC CLUB

How to change rear upper arm on **BMW 3 Touring (E91)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
BMW 3 Touring (E91) 325i 3.0, BMW 3 Touring (E91) 318d 2.0, BMW 3 Touring (E91) 318i 2.0, BMW 3 Touring (E91) 316d 2.0, BMW 3 Touring (E91) 320i 2.0, BMW 3 Touring (E91) 325i 2.5, BMW 3 Touring (E91) 330i 3.0, BMW 3 Touring (E91) 320d 2.0, BMW 3 Touring (E91) 330d 3.0, BMW 3 Touring (E91) 325xi 2.5, BMW 3 Touring (E91) 330xi 3.0, BMW 3 Touring (E91) 330xd 3.0, BMW 3 Touring (E91) 335i 3.0, BMW 3 Touring (E91) 335d 3.0, BMW 3 Touring (E91) 325d 3.0, (+ 12)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 3 Saloon (E90) 318i 2.0

REPLACEMENT: REAR UPPER ARM – BMW 3 TOURING (E91). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Flat Screwdriver
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: rear upper arm – BMW 3 Touring (E91). AUTODOC experts recommend:

- The replacement procedure is identical for the right and left upper control arms.
- Please note: all work on the car – BMW 3 Touring (E91) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

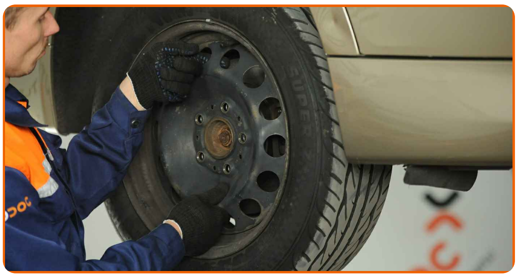
4 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW 3 Touring (E91)

5 Remove the wheel.



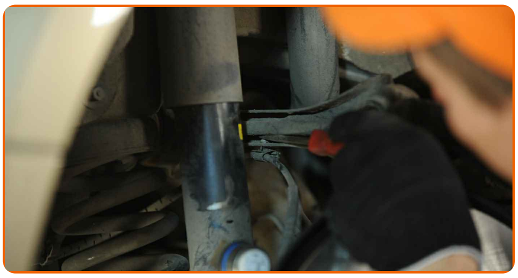
6 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

7 Unscrew the fastener connecting the control arm to the rear knuckle. Use a drive socket #18. Use a tap wrench. Use a ratchet wrench.



8 Remove the fastening bolt.

9 Detach the suspension arm from the rear knuckle.



10 Disconnect the ABS sensor wiring. Use a flat screwdriver.

11 Unscrew the arm fastening to the beam. Use a combination spanner #18 (2 pieces).

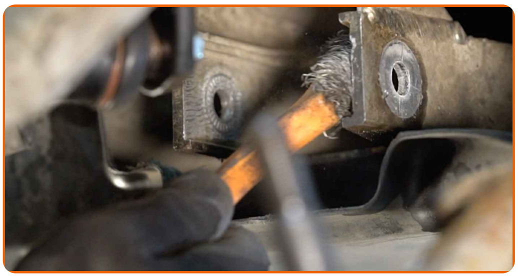


12 Remove the rear fastener of the control arm.

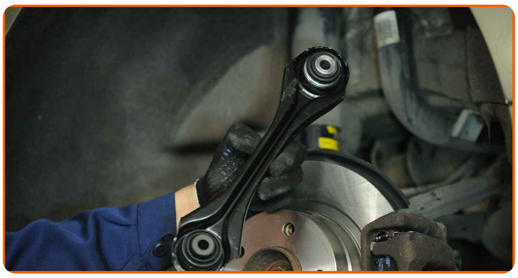
13 Remove the rear upper arm.



14 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



15 Mount the rear upper arm.



Replacement: rear upper arm – BMW 3 Touring (E91). AUTODOC experts recommend:

- During the installation process, use only new bolts and nuts.

16 Install the rear fastener of the control arm.

17 Tighten the arm fastening to the beam. Use a combination spanner #18 (2 pieces). Use a torque wrench. Tighten it to 100 Nm torque.



AUTODOC recommends:

- Important! Be sure to use new fasteners.

18 Attach the suspension arm to the rear knuckle.

19 Install the fastening bolt.

20 Screw in the fastener that connects the control arm to the rear knuckle. Use a drive socket #18. Use a ratchet wrench.



21 Support the stub axle. Use a hydraulic transmission jack.



22 Tighten the control arm fastener to the stub axle. Use a drive socket #18. Use a tap wrench. Use a torque wrench. Tighten it to 100 nm torque.

AUTODOC recommends:

- Important! Be sure to use new fasteners.

23 Connect the ABS sensor wiring.



24 Remove the support from under the stub axle.



AUTODOC recommends:

- Replacement: rear upper arm – BMW 3 Touring (E91). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

25 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



26 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: rear upper arm – BMW 3 Touring (E91). After applying the spray, wait a few minutes.

27 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW 3 Touring (E91)

28 Screw in the wheel bolts. Use wheel impact socket #17.



29 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



30 Remove the jacks and chocks.



WELL DONE!

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